

FIG. 1

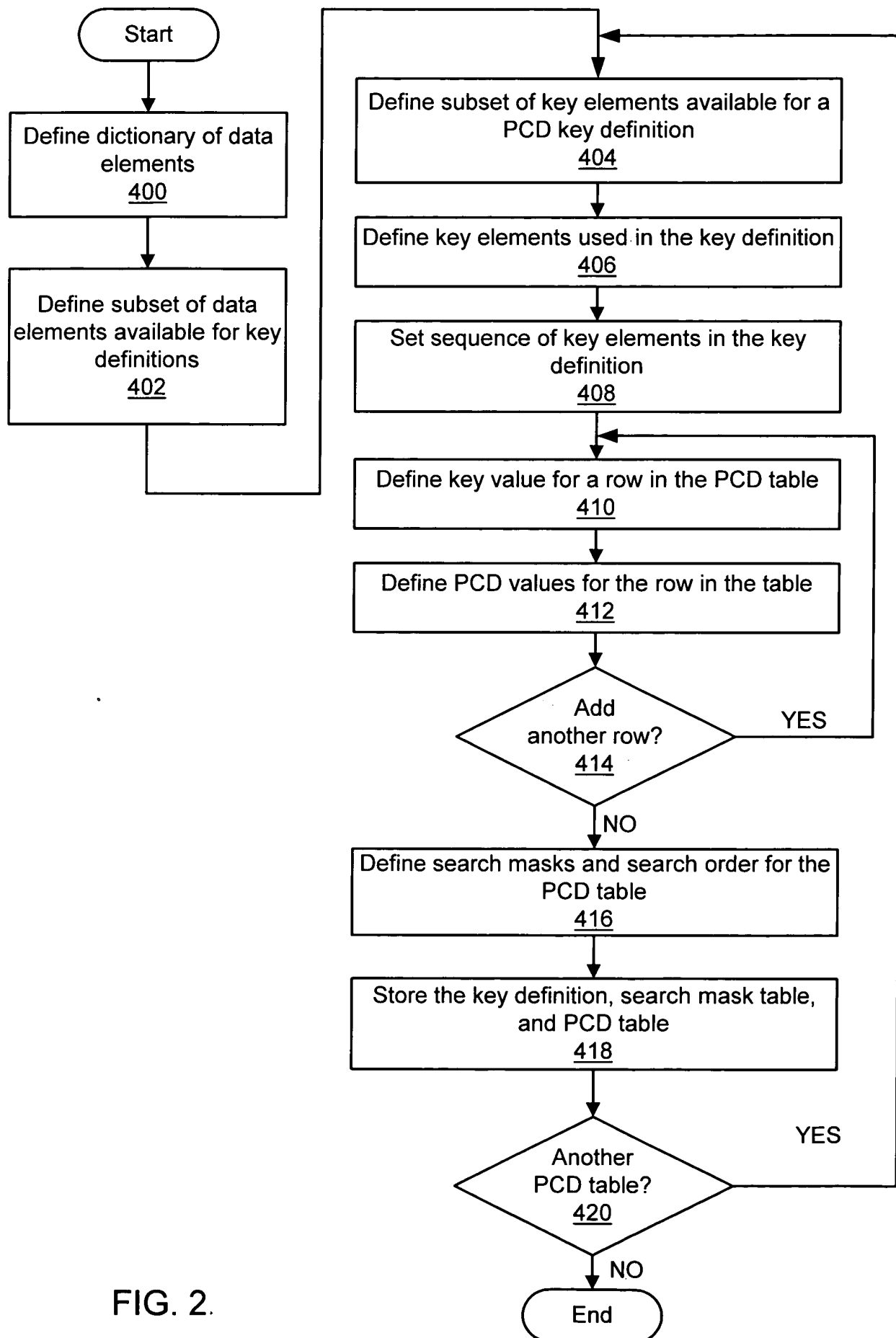


FIG. 2.

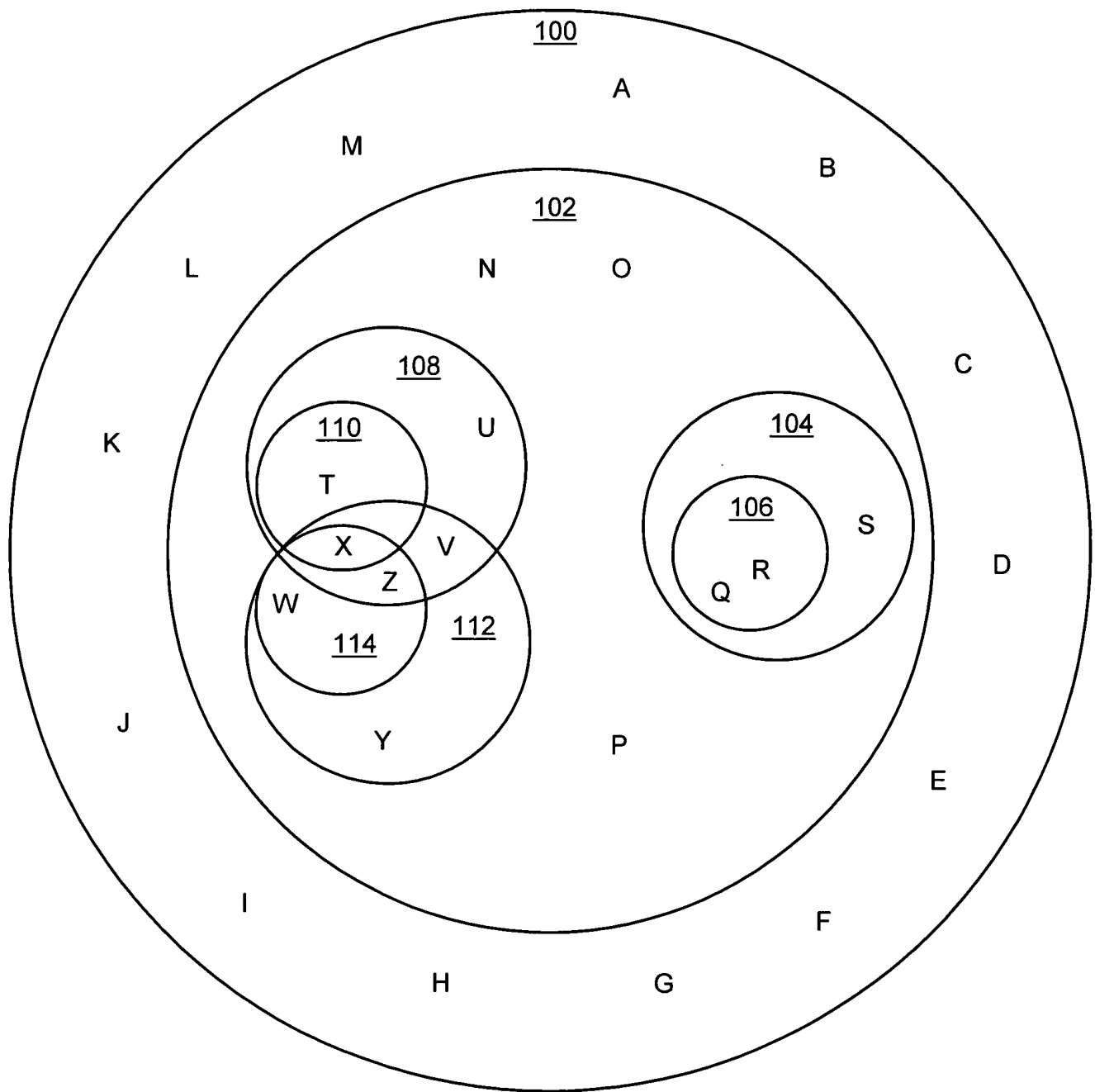


FIG. 3

122

124

120

<u>DICTIONARY DATA ELEMENTS</u>	<u>USEABLE IN KEYS?</u>
A	NO
B	NO
C	NO
D	NO
E	NO
F	NO
G	NO
H	NO
I	NO
J	NO
K	NO
L	NO
M	NO
N	YES
O	YES
P	YES
Q	YES
R	YES
S	YES
T	YES
U	YES
V	YES
W	YES
X	YES
Y	YES
Z	YES

FIG. 4

132 <u>AVAILABLE KEY ELEMENTS</u>	134 <u>USEABLE IN THIS KEY?</u>	<u>130</u>
N	NO	
O	NO	
P	NO	
Q	NO	
R	NO	
S	NO	
T	NO	
U	NO	
V	YES	
W	YES	
X	YES	
Y	YES	
Z	YES	

FIG. 5

142 <u>AVAILABLE KEY ELEMENTS</u>	144 <u>USE IN THIS KEY?</u>	146 <u>SEQUENCE</u>	<u>140</u>
V	NO	N/A	
W	YES	2	
X	YES	1	
Y	NO	N/A	
Z	YES	3	

FIG. 6

<u>KEY ELEMENT</u>	<u>KEY ELEMENT SEQUENCE</u>	<u>ELEMENT NAME</u>	<u>FIELD LENGTH</u>	<u>DATA TYPE</u>
X	1	COMPANY ID	2	NUMERIC
W	2	CREDIT CARD TYPE	3	CHARACTER
Z	3	ON US/NOT ON US	1	CHARACTER

FIG. 7

<u>ROW</u>	<u>KEY VALUES</u>			<u>PCD VALUES</u>
	<u>X</u>	<u>W</u>	<u>Z</u>	<u>TRANSACTION CHARGE</u>
<u>1</u>	12	VIS	Y	10
<u>2</u>	12	DIS	Y	8
<u>3</u>	12	*	*	12
<u>4</u>	12	*	Y	13
<u>5</u>	14	VIS	N	12
<u>6</u>	14	DIS	N	11
<u>7</u>	*	*	*	14

FIG. 8

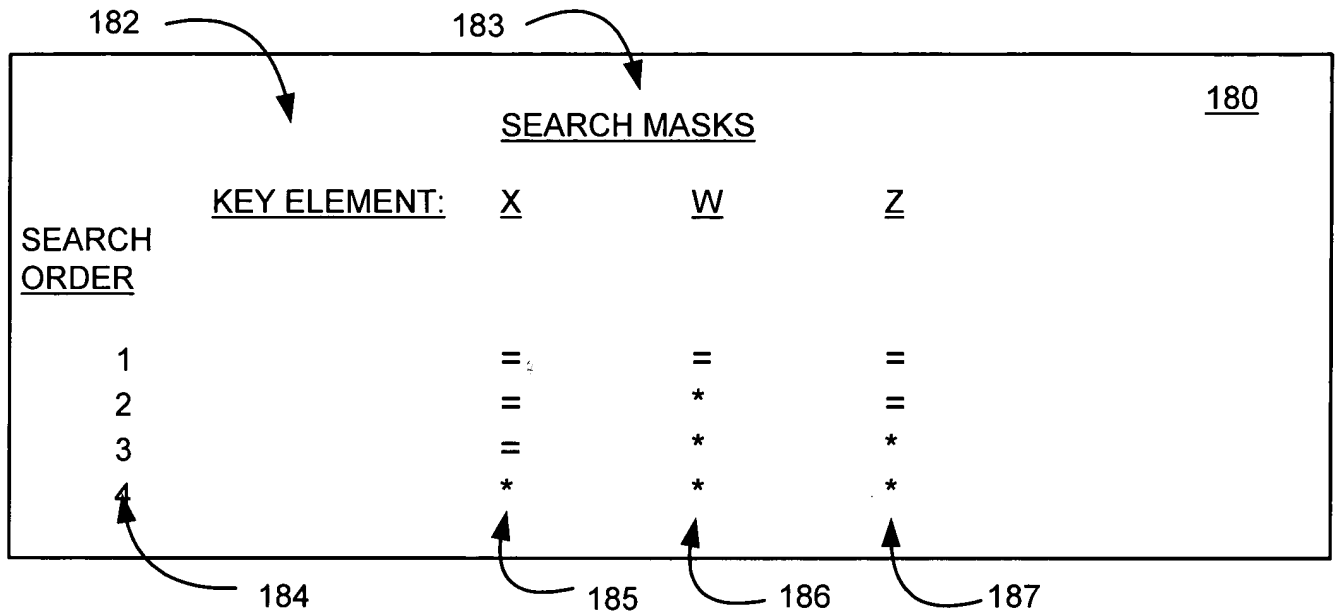


FIG. 9

200

202

204

PCD 1	User-defined key definition 1
PCD 2	User-defined key definition 2
PCD
PCD n	User-defined key definition n

FIG. 10

205

206

208

PCD 1	Search mask table 1
PCD 2	Search mask table 2
PCD
PCD n	Search mask table n

FIG. 11

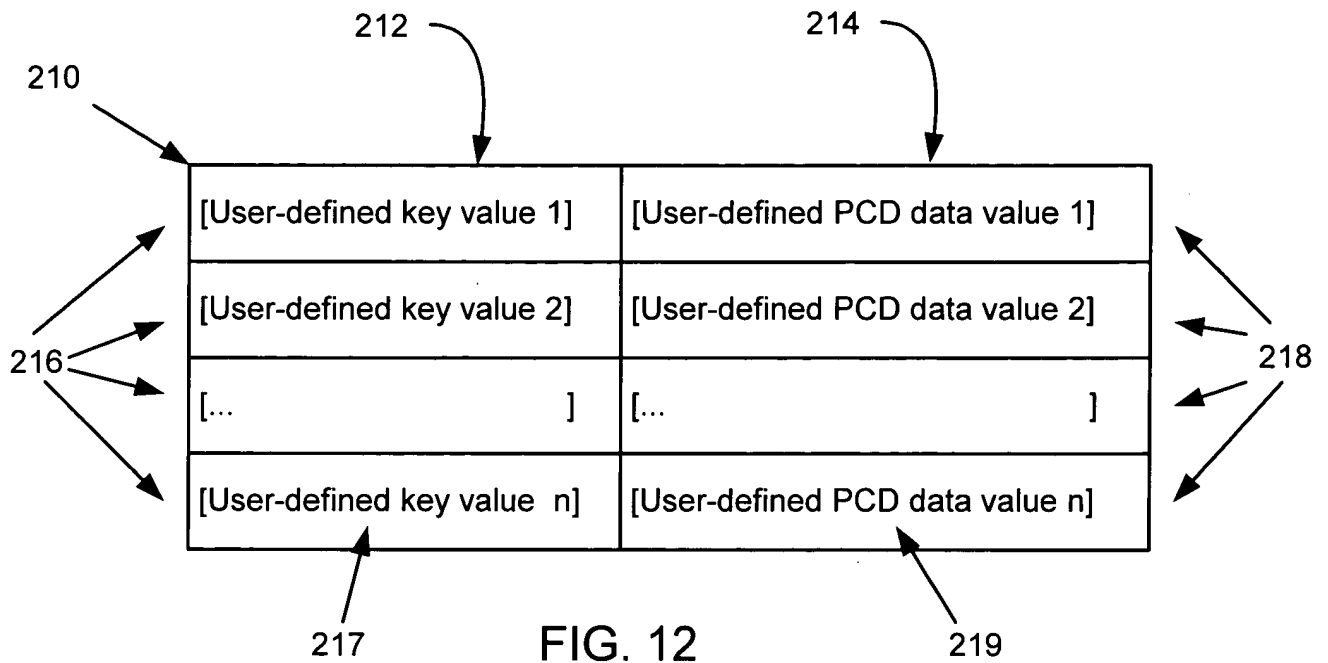


FIG. 12

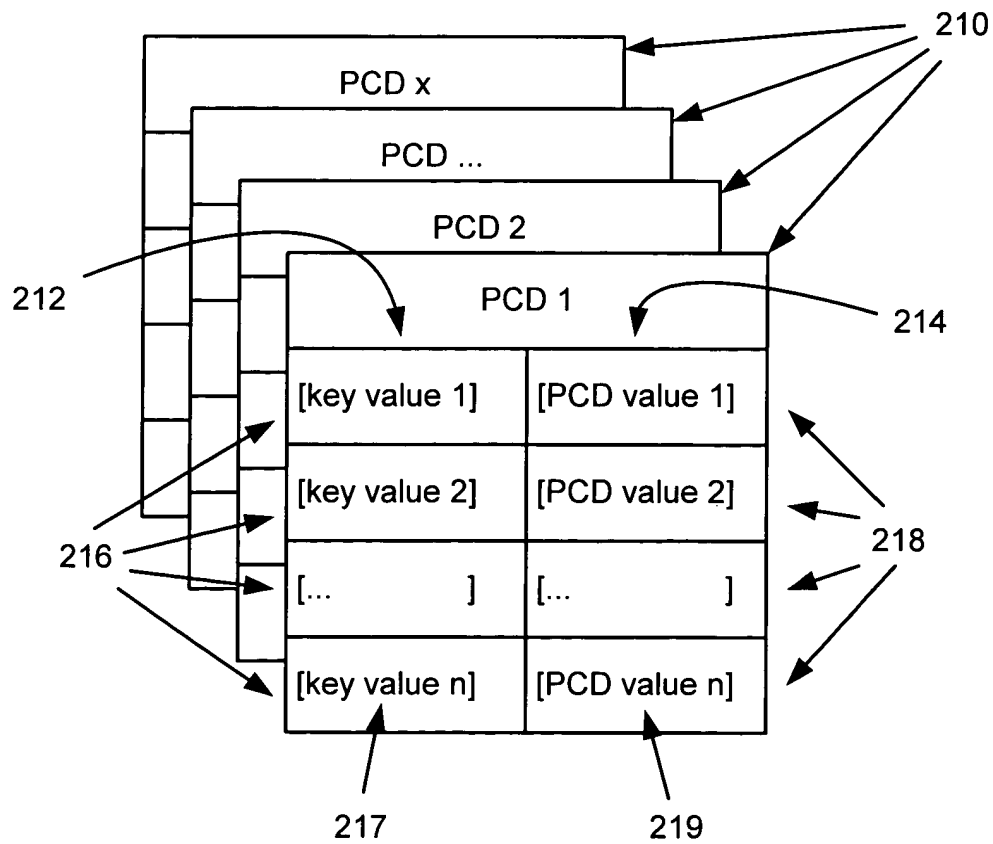


FIG. 13

<u>KEY ELEMENT:</u>	<u>PROCESSING KEY VALUES</u>			<u>PCD TABLE ROW</u>	<u>TRANSACTION CHARGE</u>
	<u>X</u>	<u>W</u>	<u>Z</u>		
SEARCH 1:	12	DIS	Y	2	8
SEARCH 2:	12	MSC	Y	-	-
	12	*	Y	4	13
SEARCH 3:	12	MSC	N	-	-
	12	*	N	-	-
	12	*	*	3	12
SEARCH 4:	14	MSC	N	-	-
	14	*	N	-	-
	14	*	*	-	-
	*	*	*	7	14

FIG. 14